

HCoV-NL63	AFTK PSSIKEM QS-----QSSH-----VAQNTVLN-AS IPESKPL ADD 364
HCoV-229E	AFT REM Q QHPLL N-----PSAL-----EFNP--SQ-TSPATAEPVRDE 377
HCoV-OC43	AY QQQ DG-----MM NMSPK QR QR GHK NGQ ENDN ISVAVPKSRVQQNKS REL 426
HCoV-HKU1	AY VNS NQN-----TDS DSLSSK P QR RGV KQLPEQ F DSL NLSA----GTQHIS NDF 420
MERS	AY KTFPK KK QKAPKE EST DMSEPP KE HRVQGTQR -TRTRPSV-----Q PGPMIDV 408
SARS-CoV-2	AY KTFP PTE PKKDKKK KADE T--QALPQ -----R- QKKQ Q TV-----TLLPAADL 400
SARS	AY KTFP PTE PKKDKKK KTDEA-- QPLPQ -----R- QKKQ PTV-----TLLPAADM 401
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HCoV-NL63	DS AIIEIVNE VLH----- 377
HCoV-229E	VS IETDII DEVN----- 389
HCoV-OC43	TA EDISLL KK MD EPY TEDTSEI 448
HCoV-HKU1	TP EDH SL LATL DD PYVEDS VA- 441
MERS	NTD----- 411
SARS-CoV-2	DD FSKQL Q QSMSS AD STQA --- 419
SARS	DD FSRQL Q NSM SG ASAD ST QA - 422

Supplementary figure 1. shows a sequence alignment depicting the conserved complement-activating sequence in high-consequence coronaviruses; depicted high consequence coronaviruses include SARS-CoV-2, SARS, and MERS; depicted endemic coronaviruses include HCoV-NL63, 229E, OC43, and HKU1; alignment generated with clustal omega 1.2.4; box: conserved complement-activating sequence; *: fully conserved residues; : (colon):conservation between groups of strongly similar properties; (period): conservation between groups of weakly similar properties.